

Recombinant Mouse GnRH1 protein, His & S-tagged

Cat. No. GnRH1-7815M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse GnRH1 aa. (Gln22~Met90 ((Accession # P13562)) fused with N-terminal His & S tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gln22~Met90
Description	This gene encodes hypophysiotropic peptides belonging to the family of gonadotropin-releasing hormones that stimulate the release of gonadotropins and suppress secretion of prolactin from the pituitary gland. The encoded protein is proteolytically processed to generate two biologically active mature peptides. A deletional mutation encompassing the distal half of this gene in mice resulting in the loss of the encoded protein leads to hypogonadism and infertility. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.8.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Gnrh1 gonadotropin releasing hormone 1 [Mus musculus (house mouse)]
Official Symbol	Gnrh1
Synonyms	Gnrh1; gonadotropin releasing hormone 1; hpg; Gnrh; LHRH; Lnrh; Gnrh2; Lhrh1; progonadoliberin-1; gonadotropin releasing hormone 2; luteinizing hormone-releasing hormone I; progonadoliberin I
Gene ID	14714
mRNA Refseq	NM_008145.3
Protein Refseq	NP_032171.1

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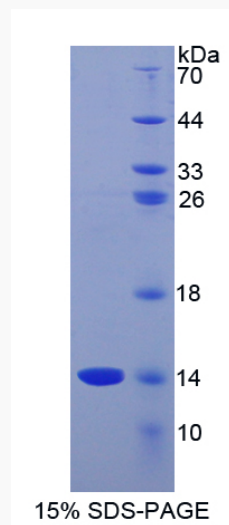
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UniProt ID

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SDS-PAGE

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